EVALUATION REPORT OF GAS TRANSMISSION PIPELINE

Name of Operator:	
H.Q. Address:	**System/Unit Name and Address:**
Co. Official: **Phone No.:** **Fax No.:** **Emergency Phone No.:** **Operator ID#:**	**Phone No.:** **Fax No.:** **Emergency Phone No.:** **Unit Record ID#:** **Activity Record ID#:**
UREC#(s) of adjacent operator Units:	

Persons Interviewed	Titles	Phone No.

OPS Representative(s): **Date(s):**

Company System Maps (copies for Region Files)**:**

Unit Description:

Portion of Unit Inspected:

For gas transmission and distribution operator inspections, the attached evaluation form should be used in conjunction with 49 CFR 191 and 192 during OPS inspections.

EVALUATION REPORT OF GAS TRANSMISSION PIPELINE

SCREENING QUESTIONS (Unit Specific)		
Does the operator have:	**Yes**	**No**
■ Any lines operating above 72% of SMYS?		
■ Gathering lines?		
■ Gas storage facilities?		
■ Compressor stations?		
■ Large volume customers (direct sales laterals such as co-generation plants, factories, etc.)?		
■ SCADA?		
■ Offshore operations in the Gulf of Mexico?		
■ Bare or ineffectively coated pipe?		
■ Unprotected pipe (not cathodically protected)?		
■ A history of internal corrosion problems?		
■ Smart pig data? (If Yes, see table below)		
■ Any environmentally sensitive areas? (historic, natural)		
■ Any construction plans? (if Yes, see table below)		

INTERNAL INSPECTION INFORMATION		
Segment	**Miles or % Inspected**	**Year Inspected**

PIPELINE CONSTRUCTION INFORMATION		
Location	**Length, miles or feet**	**Date Planned**

EVALUATION REPORT OF GAS TRANSMISSION PIPELINE

All code references are to Part 192. **W Indicates high risk question** **S - Satisfactory** **U - Unsatisfactory** **N/A - Not Applicable** **N/C - Not Checked**

PART 191

			S	U	N/A	N/C
	REPORTING PROCEDURES					
.605(b)(4)	Gathering data for incident reporting					
	191.5	Telephonically reporting incidents to **NRC**? **(800) 424-8802**				
	191.15(a)	30-day follow up written report? **(Form 7100-2)**				
	191.15(b)	Supplemental report (to 30-day follow up).				
	191.17	Transmission annual report submitted no later than March 15				
.605(a)	191.23	Reporting safety-related condition (SRCR).				
	191.25	Filing the SRCR within 5 days of determination, but not later than 10 days after discovery.				
	191.27	Offshore pipeline condition reports - filed within 60 days after the inspections.				
.605(d)	Instructing personnel in operations and maintenance to recognize **Safety Related Conditions**?					

PART 192

			S	U	N/A	N/C
	CUSTOMER NOTIFICATION PROCEDURES					
.13(c)	.16	Procedures for notifying all customers by **August 14, 1996** or new customers within **90 days** of their responsibility for those sections of service lines not maintained by the operator?				
.605(a)	**NORMAL OPERATING PROCEDURES**					
	.605(a)	Plan reviewed and updated? (**annually/15 months**)				
	W .605(b)(3)	Making construction records, maps, and operating history available to appropriate operating personnel?				
	W .605(b)(5)	Start up and shut down for the pipeline to assure operation with the **MAOP** plus allowable buildup. (See SCADA guidance)				
	.605(b)(8)	Periodically reviewing the work done by operator's personnel to determine the effectiveness and adequacy of the procedures used in normal operation and maintenance and modifying the procedures when deficiencies are found?				
	.605(b)(9)	Taking adequate precautions in excavated trenches to protect personnel from the hazards of unsafe accumulations of vapors or gas, and making available when needed at the excavation, emergency rescue equipment, including a breathing apparatus and, a rescue harness and line.				
	.605(b)(10)	Routine inspection and testing of pipe-type or bottle-type holders.				
.605(a)	**ABNORMAL OPERATING PROCEDURES**					
	.605(c)(1)	Responding to, investigating, and correcting the cause of:				
		(i) Unintended closure of valves or shutdowns?				
		(ii) Increase or decrease in pressure or flow rate outside of normal operating limits?				
		(iii) Loss of communications?				
		(iv) The operation of any safety device?				
		(v) Malfunction of a component, deviation from normal operations or personnel error?				
	.605(c)(2)	Checking variations from normal operation after abnormal operations ended at sufficient critical locations.				
	.605(c)(3)	Notifying the responsible operating personnel when notice of an abnormal operation is received?				
	W .605(c)(4)	Periodically reviewing the response of operating personnel to determine the effectiveness of the procedures and taking corrective action where deficiencies are found?				

EVALUATION REPORT OF GAS TRANSMISSION PIPELINE

All code references are to Part 192. **W Indicates high risk question** **S - Satisfactory** **U - Unsatisfactory** **N/A - Not Applicable** **N/C - Not Checked**

			S	U	N/A	N/C
.605(a)	**CHANGE in CLASS LOCATION PROCEDURES**					
	W .609	Class location study.				
	W .611	Conformation or revision of **MAOP**.				
.613	**CONTINUING SURVEILLANCE PROCEDURES**					
	W .613(a)	Including: change in class location; failures; leakage history; corrosion; substantial changes in **CP** requirements; and unusual operating and maintenance conditions.				
	.613(b)	If a segment of pipeline is in unsatisfactory condition, is **MAOP** reduced or other action taken.				
.605(a)	**DAMAGE PREVENTION PROGRAM PROCEDURES**					
	W .614	Participation in a qualified one-call program, or if available, a company program that complies with the following:				
		(1) Identify persons who engage in excavating?				
		(2) Provide notification to the public in the One Call area?				
		(3) Provide means for receiving and recording notifications of pending excavations?				
		(4) Provide notification of pending excavations to the members?				
		(5) Provide means of temporary marking for the pipeline in the vicinity of the excavations?				
		(6) Provides for follow-up inspection of the pipeline where there is reason to believe the pipeline could be damaged?				
		(i) Inspection must be done to verify integrity of the pipeline.				
		(ii) After blasting, a leak survey must be conducted as part of the inspection by the operator.				
.615	**EMERGENCY PROCEDURES**					
	W .615(a)(1)	Receiving, identifying, and classifying notices of events which require immediate response by the operator?				
	.615(a)(2)	Establish and maintain communication with appropriate public officials regarding possible emergency?				
	W .615(a)(3)	Prompt response to each of the following emergencies:				
		(i) Gas detected inside a building.				
		(ii) Fire located near a pipeline.				
		(iii) Explosion near a pipeline.				
		(iv) Natural disaster.				
	W .615(a)(4)	Availability of personnel, equipment, instruments, tools, and material required at the scene of an emergency.				
	W .615(a)(5)	Actions directed towards protecting people first, then property.				
	W .615(a)(6)	Emergency shutdown or pressure reduction to minimize hazards to life or property.				
	W .615(a)(7)	Making safe any actual or potential hazard to life or property.				
	W .615(a)(8)	Notifying appropriate public officials required at the emergency scene and coordinating planned and actual responses with these officials/				
	W .615(a)(9)	Instructions for restoring service outages after the emergency has been rendered safe.				
	W .615(a)(10)	Investigating accidents and failures as soon as possible after the emergency.				
	W .615(b)(1)	Furnishing applicable portions of the emergency plan to supervisory personnel who are responsible for emergency action?				
	W .615(b)(2)	Training appropriate employees as to the requirements of the emergency plan and verifying effectiveness of training.				
	W .615(b)(3)	Reviewing activities following emergencies to determine if the procedures were effective.				

EVALUATION REPORT OF GAS TRANSMISSION PIPELINE

All code references are to Part 192. W Indicates high risk question S - Satisfactory U - Unsatisfactory N/A - Not Applicable N/C - Not Checked

			S	U	N/A	N/C
.615	**EMERGENCY PROCEDURES (con't)**					
	W .615(c)	Establish and maintain liaison with appropriate public officials, such that both the operator and public officials are aware of each other's resources and capabilities in dealing with gas emergencies.				
.605(a)	**PUBLIC EDUCATION PROCEDURES**					
	.616	Establishing a continuing educational program (in English and other pertinent languages) to better inform the public in how to recognize and report potential gas pipeline emergencies.				
.617	**FAILURE INVESTIGATION PROCEDURES**					
	.617	Analyzing accidents and failures including laboratory analysis where appropriate to determine cause and prevention of recurrence?				
.605(a)	**MAOP PROCEDURES**					
	W .619	Establishing **MAOP** so that it is commensurate with the class location?				
		MAOP can be determined by:				
		(a) Design and test or				
		(b) By highest operating pressure to which the segment of line was subjected between **July 1, 1965** and **July 1, 1970**. In case of offshore gathering lines, for the **5 years** preceding **July 1, 1976**.				
.13(c)	**PRESSURE TEST PROCEDURES**					
	.503	Pressure testing.				
.605(a)	**ODORIZATION of GAS PROCEDURES**					
	.625	(b) Odorized gas in **Class 3** or **4** locations (if applicable).				
		(f) Are periodic tests performed to confirm detection of the odorized gas at $^1/_5$ of the LEL of the gas				
.605(a)	**TAPPING PIPELINES UNDER PRESSURE PROCEDURES**					
	.627	Hot taps must be made by qualified crew. **Note: NDT** testing is suggested prior to the tap per **Section 4.4, API 2201**.				
.605(a)	**PIPELINE PURGING PROCEDURES**					
	.629	Purging of pipelines must be done to prevent entrapment of an explosive mixture in the pipeline.				
		(a) Lines containing air must be properly purged.				
		(b) Lines containing gas must be properly purged.				
.605(b)	**MAINTENANCE PROCEDURES**					
	.703	(b) Each segment of pipeline that becomes unsafe must be replaced, repaired, or removed from service.				
		(c) Hazardous leaks must be repaired promptly.				
.605(b)	**TRANSMISSION LINES - PATROLLING PROCEDURES**					
	W .705	(a) Patrolling ROW conditions and follow-up.				
	W	(b) Maximum interval between patrols of lines.				

Class Location	At Highway and Railroad Crossings	At All Other Places
1 and 2	**2/yr (7½months)**	**1/yr (15 months)**
3	**4/yr (4½ months)**	**2/yr (7½ months)**
4	**4/yr (4½ months)**	**4/yr (4½ months)**

EVALUATION REPORT OF GAS TRANSMISSION PIPELINE

All code references are to Part 192. **W Indicates high risk question** **S - Satisfactory** **U - Unsatisfactory** **N/A - Not Applicable** **N/C - Not Checked**

			S	U	N/A	N/C
.605(b)		**TRANSMISSION LINE LEAKAGE SURVEY PROCEDURES**				
	W .706	(a) Leakage surveys are required at intervals not exceeding **15 months** but at least **once each calendar year**?				
	W	(b) Leak detector survey requirements for lines transporting unodorized gas:				
		• **Class 3** locations - **7½ months** but at least **twice each calendar year**.				
		• **Class 4** locations - **4½ months** but at least **4 times each calendar year**.				
.605(b)		**LINE MARKER PROCEDURES**				
	.707	Line markers installed and labeled as required.				
.605(b)		**RECORD KEEPING PROCEDURES**				
	.709	Are the following records retained as required:				
		(a) Repairs to the pipe - **life of system**.				
		(b) Repairs to pipeline components - **5 years**.				
		(c) Patrols, surveys, and tests - **5 years**.				
.605(b)		**REPAIR PROCEDURES - IMPERFECTIONS and DAMAGES**				
	.713(a)	Repairs of imperfections and damages on pipelines operating above **40% SMYS**:				
		(1) Cut out a cylindrical piece of pipe and replace with pipe of $ design strength.				
		(2) Use of full encirclement welded split sleeve.				
		(3) Operating pressure reduced to a safe level during the repair?				
.605(b)		**REPAIR PROCEDURES - PERMANENT FIELD REPAIR of WELDS**				
	.715	The repair of welds, if found to be unacceptable under **§192.241(c)**, the weld must be repaired by:				
		(a) Take the line out of service and repair in accordance with **§192.245**.				
		• Are cracks longer than **8%** of the weld length removed?				
		• For each weld that is repaired, is the defect removed down to clean metal and is the pipe preheated if conditions demand it?				
		• Are the repairs inspected to insure acceptability?				
		• If additional repairs are required, are they done in accordance with qualified written welding procedures to assure minimum mechanical properties are met?				
		(b) If the line remains in service, the weld may be repaired in accordance with **§192.245** if:				
		(1) The weld is not leaking.				
		(2) The pressure is reduced to produce a stress that is **20% of SMYS or less**.				
		(3) Grinding limited so that **⅛ inch** of pipe weld remains.				
		(c) If the weld cannot be repaired in accordance with **(a) or (b)** above, a full encirclement welded split sleeve must be installed.				
.605(b)		**REPAIR PROCEDURES - PERMANENT FIELD REPAIR of LEAKS**				
	.717(a)	Field repairs of leaks must be made as follows:				
		(1) Replace by cutting out a cylinder and replace with pipe similar or of greater design strength.				
		(2) Install a full encirclement welded split sleeve of an appropriate design unless the pipe is **joined by mechanical couplings** or **operates at less than 40% SMYS**.				
		(3) A leak due to a corrosion pit may be repaired by installing **a bolt on leak clamp**, or if pipe is not more than **40,000 psi SMYS**, the pits may repaired by **fillet welding a steel plate**. The [plate must have **rounded corners** and the **same thickness or greater** than the pipe, and **not more than ½D** of the pipe size.				
	.717(b)	Submerged offshore pipe or pipe in inland navigable waterways may be repaired with a mechanically applied full encirclement split sleeve of appropriate design.				

EVALUATION REPORT OF GAS TRANSMISSION PIPELINE

All code references are to Part 192. W Indicates high risk question S - Satisfactory U - Unsatisfactory N/A - Not Applicable N/C - Not Checked

.605(b)	TESTING of REPAIRS PROCEDURES		S	U	N/A	N/C
	.719	(a) Is the replacement pipe pressure tested to meet the requirements of a new pipeline installed in the same location?				
		(b) Lines of **6 inch diameter or larger** and **operate at 20% or more of SMYS**, the repair must be nondestructively tested in accordance with **§192.241(c)**.				
.605(b)	**ABANDONMENT or DEACTIVATION of FACILITIES PROCEDURES**					
	.727	(b) Does the operator disconnect both ends, purge, and seal each end before abandonment or a period of deactivation where the pipeline is not being maintained. In the case for off shore pipelines, do they fill the line with water or an inert material and seal the ends?				
		(d) Whenever service to a customer is discontinued, do the procedures indicate one of the following:				
		(1) The valve that is closed to prevent the flow of gas to the customer must be provided with a locking device or other means designed to prevent the opening of the valve by persons other than those authorized by the operator;				
		(2) A mechanical device or fitting that will prevent the flow of gas must be installed in the service line or in the meter assembly;				
		(3) The customer's piping must be physically disconnected from the gas supply and the open pipe ends sealed.				
.605(b)	**COMPRESSOR STATION PROCEDURES**					
	.605(b)(6)	Maintaining compressor stations which include provisions for isolating units or sections of pipe and for purging before returning to service.				
	.605(b)(7)	Starting, operating, and shut-down for gas compressor units.				
	W .731	Compressor station: testing of remote control shutdowns and pressure relieving devices, except rupture discs, must be tested (**annually/15 months**) and inadequate components must be repaired or replaced.				
	.735	(a) Storage of excess flammable or combustible materials at a safe distance from the compressor buildings.				
		(b) Tank protected according to **NFPA #30**?				
	.736	Compressor buildings in a compressor station must have fixed gas detection and alarm systems (**must be performance tested**), unless:				
		• Unless **50% of the upright side areas** is permanently open or				
		• Unattended field compressor station of **1000 hp or less**.				
.605(b)	**PRESSURE LIMITING and REGULATING STATION PROCEDURES**					
	W .739	Each pressure limiting station, relief device (except rupture discs), and pressure regulating station and its equipment must be tested and inspected. (**annually/15 months**)				
		(a) In good mechanical condition.				
		(b) Adequate from the standpoint of capacity and reliability of operation for the service in which it is employed.				
		(c) Set to function at the correct pressure.				
		(d) Properly installed and protected from dirt, liquids or other conditions that might prevent proper operation.				
	W .743	Capacity reviews. (**annually/15 months**)				
		(a) In place physical test (if feasible).				
		(b) Calculation review required.				
		(c) Correct deficiencies.				

EVALUATION REPORT OF GAS TRANSMISSION PIPELINE

All code references are to Part 192. **W Indicates high risk question** **S - Satisfactory** **U - Unsatisfactory** **N/A - Not Applicable** **N/C - Not Checked**

			S	U	N/A	N/C
.605(b)		**VALVE MAINTENANCE PROCEDURES**				
	W .745	Inspect and partially operate each transmission valve that might be required during an emergency (**annually/15 months**).				
.605(b)		**VAULT MAINTENANCE PROCEDURES**				
	.749	Inspection of vaults greater than **200 cubic feet**. (**annually/15 months**).				
.605(b)		**PREVENTION of ACCIDENTAL IGNITION PROCEDURES**				
	.751	Reduce the hazard of fire or explosion by:				
		(a) Removal of ignition sources in presence of gas and providing for a fire extinguisher.				
		(b) Prevent welding or cutting on a pipeline containing a combustible mixture.				
		(c) Post warning signs.				
.13(c)		**WELDING PROCEDURES**				
	.225	Welding must be performed by a qualified welder in accordance to a qualified welding procedure by destructive test.				
		• Sleeve repair - low hydrogen rod. **(Best Practice)**				
		• Retention of welding procedure - details and test.				
	.227	(a) Welders must be qualified by **Section 3 of API 1104** (18th ed., 1994) or **Section IX of ASME Boiler and Pressure Code** (1995).				
		(b) Welder may be qualified under **Appendix C** to weld on lines that operate at **< 20% SMYS**.				
	.229	Limitations on Welders:				
		(a) To weld on compressor station piping and components, a welder must successfully complete a destructive test.				
		(b) Welder must have used welding process within the preceding **6 months**.				
		(c) A welder must have had within the preceding **6 months**, one weld tested and found acceptable under **Section 3 of API 1104**.				
		(d) Welders qualified for less than 20% of SMYS pipe may not weld unless:				
		(1) Requalified within **1 year/15 months**, or				
		(2) Within **7½ months** or at least **twice per year** had a production weld pass a qualifying test.				
	.231	Welding operation must be protected from weather.				
	.233	Miter joints (**consider pipe alignment**).				
	.235	Welding preparation and joint alignment.				
	.241	(a) Each weld must be visually inspected for:				
		(1) Compliance with the welding procedure.				
		(2) Acceptability of weld is in accordance with **Section 6 of API 1104**.				
		(b) Welds on pipelines to be **operated at 20% or more of SMYS** must be nondestructively tested in accordance with **§192.243** except welds that are visually inspected and approved by a qualified welding inspector if:				
		(1) The nominal pipe diameter is less than **6 inches**, or				
		(2) The pipeline is to operate at a pressure that produces a hoop stress of less than **40% of SMYS** and the welds are so limited in number that nondestructive testing is impractical.				

EVALUATION REPORT OF GAS TRANSMISSION PIPELINE

All code references are to Part 192. W Indicates high risk question S - Satisfactory U - Unsatisfactory N/A - Not Applicable N/C - Not Checked

			S	U	N/A	N/C
.243		**NONDESTRUCTIVE TESTING PROCEDURES**				
	W .243	(a) Nondestructive testing of welds must be performed by any process, other than trepanning, that clearly indicates defects that may affect the integrity of the weld.				
		(b) Nondestructive testing of welds must be performed:				
		(1) In accordance with a written procedure, and				
		(2) By persons trained and qualified in the established procedures and with the test equipment used.				
		(c) Procedures established for proper interpretation of each nondestructive test of a weld to ensure acceptability of the weld under §192.241(c)				
		(d) When nondestructive testing is required under **§192.241(b)**, the following percentages of each day's field butt welds, selected at random by the operator, must be nondestructively tested over the entire circumference;				
		(1) In **Class 1** locations at least **10%**.				
		(2) In **Class 2** locations at least **15%**.				
	.243	(3) In **Class 3** and **4** locations, at crossings of a major navigable river, offshore, and within railroad or public highway rights-of -way, including tunnels, bridges, and overhead road crossings, **100%** unless impractical, then **90%**. Nondestructive testing must be impractical for each girth weld not tested.				
		(4) At pipeline tie-ins, **100%**.				
		(e) Except for a welder whose work is isolated from the principal welding activity, a sample of each welder's work for each day must be nondestructively tested, when nondestructive testing is required under §192.241(b).				
		(f) Nondestructive testing - the operator must retain, for the life of the pipeline, a record showing by mile post, engineering station, or by geographic feature, the number of welds nondestructively tested, the number of welds rejected, and the disposition of the rejected welds.				
.13(c)		**REPAIR and REMOVAL of WELD DEFECTS PROCEDURES**				
	.245	(a) Each weld that is unacceptable must be removed or repaired. Except for offshore pipelines, a weld must be removed if it has a crack that is more than **8%** of the weld length.				
		(b) Each weld that is repaired must have the defect removed down to sound metal, and the segment to be repaired must be preheated if conditions exist which would adversely affect the quality of the weld repair. After repair, the weld must be inspected and found acceptable.				
		(c) Repair of a crack or any other defect in a previously repaired area must be in accordance with a written weld repair procedure, qualified under **§192.225**.				
.273(b)		**JOINING of PIPELINE MATERIALS**				
	.281	Joining of plastic pipe.				
		• Type of plastic used				
		• Proper markings in accordance with §192.63				
		• Manufacturer				
		• Type of joint used				
	.283	Qualified joining procedures for plastic pipe must be in place.				
	.285	Persons making joints with plastic pipe must be qualified.				
	.287	Persons inspecting plastic joints must be qualified.				

EVALUATION REPORT OF GAS TRANSMISSION PIPELINE

NAMES	*DATE OF TESTING*

All code references are to Part 192. W Indicates high risk question S - Satisfactory U - Unsatisfactory N/A - Not Applicable N/C - Not Checked

.605(b)		CORROSION CONTROL PROCEDURES	S	U	N/A	N/C
	W .453	Are corrosion procedures established for:				
		• Design • Operations				
		• Installation • Maintenance				
	W .455	(a) Pipelines installed after **July 31, 1971**; are the buried segments externally coated and cathodically protected within **one year**?				
		(b) Was the pipeline installed bare?				
		• If **Yes**, has the operator proved that a corrosive environment does not exist?				
		• Conducted tests within **6 months** to confirm the above?				
	W .457	(a) All effectively coated steel transmission pipelines installed prior to **August 1, 1971**, must be cathodically protected?				
	W	(b) Is cathodic protection provided in areas of active corrosion on existing bare or ineffectively coated pipelines?				
		(c) For the purpose of this subpart, active corrosion means continuing corrosion which, unless controlled, could result in a condition that is detrimental to public safety.				
	W .459	Examination of buried pipeline when exposed.				
	.461	Does the operator have procedures to address external corrosion control with protective coating? Does the coating on the steel pipe meet the requirements of this part?				
	W .463	Cathodic protection level according to **Appendix D** criteria.				
	W .465	(a) Pipe-to-soil monitoring. (**annually/15 months**)				
	W	(b) Rectifier monitoring. (**6 times per year/2½ months**)				
	W	(c) Interference bond monitoring. (**as required**)				
	W	(d) Prompt remedial action to correct any deficiencies indicated by the monitoring				
	W	(e) Electrical surveys on bare/unprotected lines **(Every three (3) years)**				
	W .467	Electrical isolation. (**including casings**)				
	.469	Procedures to address external corrosion control with sufficient test stations?				
	W .471	Test lead maintenance.				
	W .473	Interference currents.				
	W .475	(a) Proper procedures for transporting corrosive gas?				
		(b) Whenever a piece of pipe is removed, is it inspected for internal corrosion as well as the adjacent pipe? What steps are taken to minimize internal corrosion.				
	W .477	Internal corrosion control coupon monitoring. (**2 times per year/7½ months**)				
	.479	The operator establish procedures to address atmospheric corrosion control?				
	W .481	Atmospheric corrosion control monitoring. (**3 years**)				
	W .485	(a) Procedures to reduce the MAOP if general corrosion has reduced the wall thickness?				
		(b) Procedures to replace pipe or reduce MAOP if localized corrosion has reduced wall thickness?				
		(c) Procedures to use R-Streng or B-31G to determine remaining wall strength				
	.491	Corrosion Control Records **(at least 5 years)**				

EVALUATION REPORT OF GAS TRANSMISSION PIPELINE

All code references are to Part 192. W Indicates high risk question S - Satisfactory U - Unsatisfactory N/A - Not Applicable N/C - Not Checked

.605(b)	UNDERWATER INSPECTION PROCEDURES - GULF of MEXICO and INLETS		S	U	N/A	N/C
	.612(a)	Conducting underwater inspections between **October 3, 1989** and **November 16, 1992**. (**reported in accordance with §191.27**)				
	.612(b)	When the operator discovers that a pipeline is exposed on the seabed or constitutes a hazard to navigation does the operator:				
		(1) Promptly, within **24 hours**, notify the **National Response Center** of the location of the pipeline?				
		(2) Promptly, but not later than **7 days** after discovery, mark the location of the pipeline in accordance with **33 CFR Part 64** at the ends of the pipeline segment and at intervals of not over **500 yards long**, except that a pipeline **segment less than 200 yards long** need only be marked at the center.				
		(3) Place the pipeline so that the top of the pipe is **36 inches below the seabed for normal excavation** or **18 inches for rock excavation** within **6 months** of discovery or not later than **November 1** of the following year if the **6 month period** is later than **November 1** of the year the discovery is made.				

EVALUATION REPORT OF GAS TRANSMISSION PIPELINE

All code references are to Part 192. W Indicates high risk question S - Satisfactory U - Unsatisfactory N/A - Not Applicable N/C - Not Checked

PERFORMANCE REVIEW of FIELD and RECORDS			S	U	N/A	N/C
.163		Compressor Station: Security				
.171		Compressor Station: Fire Fighting Equipment				
.179		Valve Protection from Tampering or Damage				
.463		Cathodic Protection				
.465		Rectifiers				
.479		Pipeline Components exposed to the Atmosphere				
.605		Knowledge of Operating Personnel				
.612(b)		Water Crossings (**if applicable**)				
.707		ROW Markers, Road and Railroad Crossings				
.707		Compressor Station: Signs				
.719		Pre-pressure Tested Pipe (**Markings and Inventory**)				
.731		Compressor Station: Relief Devices and ESDs				
.735		Compressor Station: Storage of Combustibles				
.736		Compressor Station: Gas Detection				
.739		Pressure Limiting and Regulating Devices (**mechanical**)				
.743		Pressure Limiting and Regulating Devices (**capacities**)				
.745		Valve Maintenance				
.751		Warning Signs				

OPERATIONS and MAINTENANCE RECORDS				S	U	N/A	N/C
191.17			Annual Report (**Form 7100.2-1**)				
.16			Customer Notification (**verification - 90 days - and elements**)				
.603(b)		.605(a)	Procedural Manual Review - Operations and Maintenance (**annually/15 months**)				
.603(b)		.605(c)	Abnormal Operations				
.603(b)		.605(b)(3)	System Maps				
.603(b)		.614	Damage Prevention (**miscellaneous**)				
.603(b)		.609	Class Location Study (**if applicable**)				
.603(b)		.615(c)	Liaison Program with Public Officials				
.603(b)		.616	Public Education				
.517			Pressure Testing				
.603(b)		.619	Maximum Allowable Operating Pressure (**MAOP**)				
.603(b)		.625	Odorization of Gas				
.603(b)		.705	Patrolling (**refer to table below**)				

Class Location	At Highway and Railroad Crossings	At All Other Places
1 and 2	2/yr (7½months)	1/yr (15 months)
3	4/yr (4½ months)	2/yr (7½ months)
4	4/yr (4½ months)	4/yr (4½ months)

EVALUATION REPORT OF GAS TRANSMISSION PIPELINE

All code references are to Part 192. W Indicates high risk question S - Satisfactory U - Unsatisfactory N/A - Not Applicable N/C - Not Checked

OPERATIONS and MAINTENANCE RECORDS (cont)				S	U	N/A	N/C
.603(b)		.706	Leak Surveys (**refer to table below**)				

Class Location	Required	Not Exceed
1 and 2	Annually	15 months
3	Bi-Annually	7½ months
4	Quarterly	4½ months

.603(b)		.731(a)	Compressor Station Relief Devices (**annually/15 months**)				
.603(b)		.731(c)	Compressor Station Emergency Shutdown (**annually/15 months**)				
.603(b)		.736(c)	Compressor Stations - Detection and Alarms (**performance test**)				
.603(b)		.739	Pressure Limiting and Regulating Stations (**annually/15 months**)				
.603(b)		.743	Pressure Limiting and Regulator Stations - Capacity (**annually/15 months**)				
.603(b)		.745	Valve Maintenance (**annually/15 months**)				
.603(b)		.749	Vault Maintenance (**>200 cubic feet**) (**annually/15 months**)				
.603(b)		.225(b)	Welding - Procedure				
.603(b)		.227	Welding - Welder Qualification				
.603(b)		.243(b)(2)	NDT - NDT Personnel Qualification				
.603(b)		.243(f)	NDT Records (**life**)				
.709(a)			Repair - Pipe (**life**)				
.709(b)			Repair - Components (**5 years**)				

CORROSION CONTROL RECORDS				S	U	N/C	N/A
.491		.491(a)	Maps or Records				
.491		.459	Examination of Buried Pipe when Exposed				
.491		.465(a)	Annual Pipe-to-Soil Monitoring (**annually/15 months**)				
.491		.465(b)	Rectifier Monitoring (**6 times per year/2½ months**)				
.491		.465(c)	Interference Bond Monitoring - Critical (**6 times per year/2½ months**)				
.491		.465(c)	Interference Bond Monitoring - Noncritical (**annually/15 months**)				
.491		.467	Electrical Isolation (**including casings**)				
.491		.469	Test Stations - Sufficient number				
.491		.471	Test Lead Maintenance				
.491		.473	Interference currents				
.491		.477	Internal Corrosion Control Coupon Monitoring (**Bi-annually/7½ months**)				
.491		.481	Atmospheric Corrosion Control Monitoring (**3 years**)				
.491		.483	Remedial Measures				